Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P318896

Luminaire Tested: **GLEON-SA2D-830-U-T4FT**

Issue Date: 3/3/2020

Report Generated By E0585644

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P318896
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2D-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12690 lumens
Efficiency:	N/A
Efficacy:	98.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	129
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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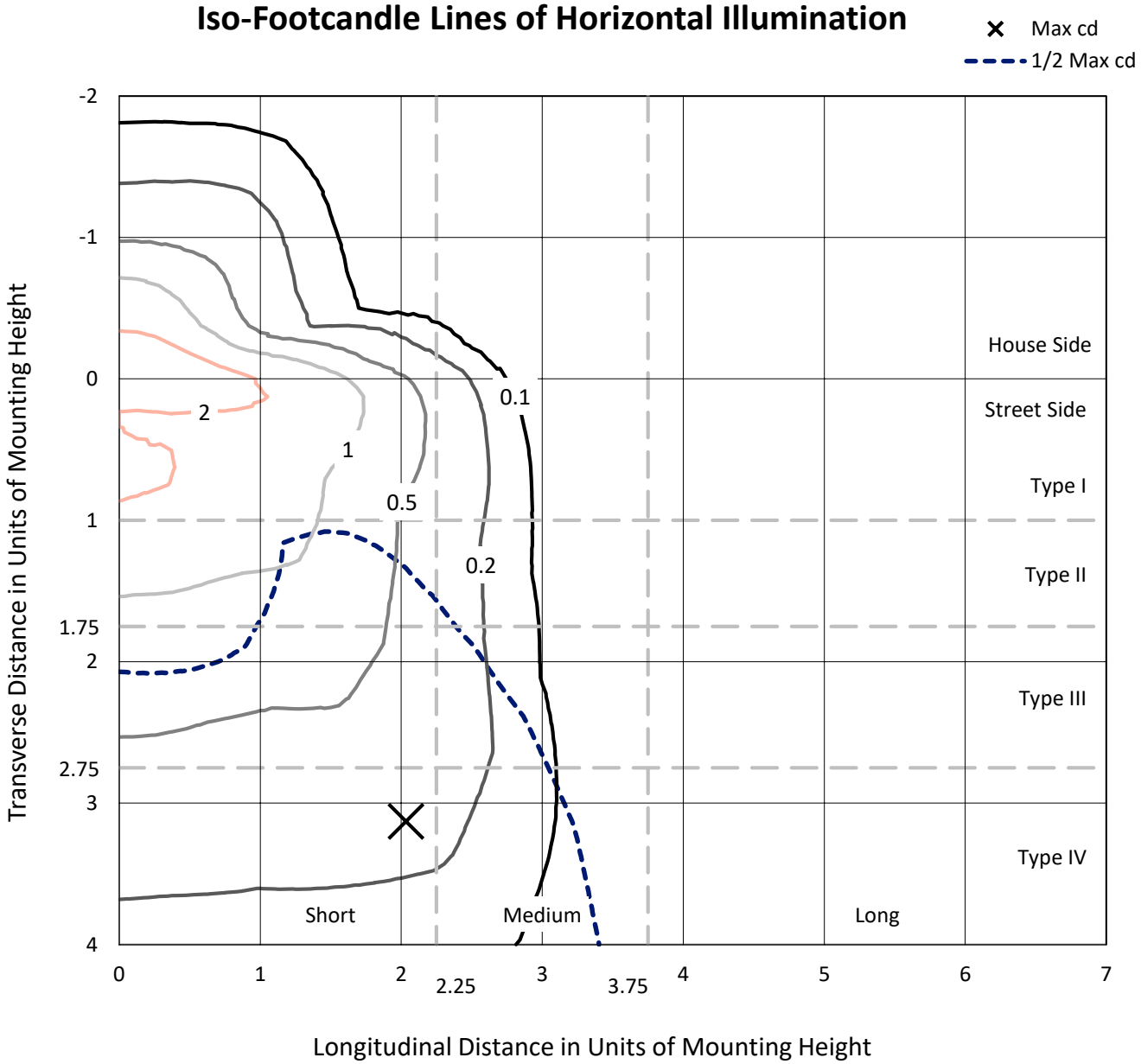
Scaled Data Report

REPORT NUMBER: P318896
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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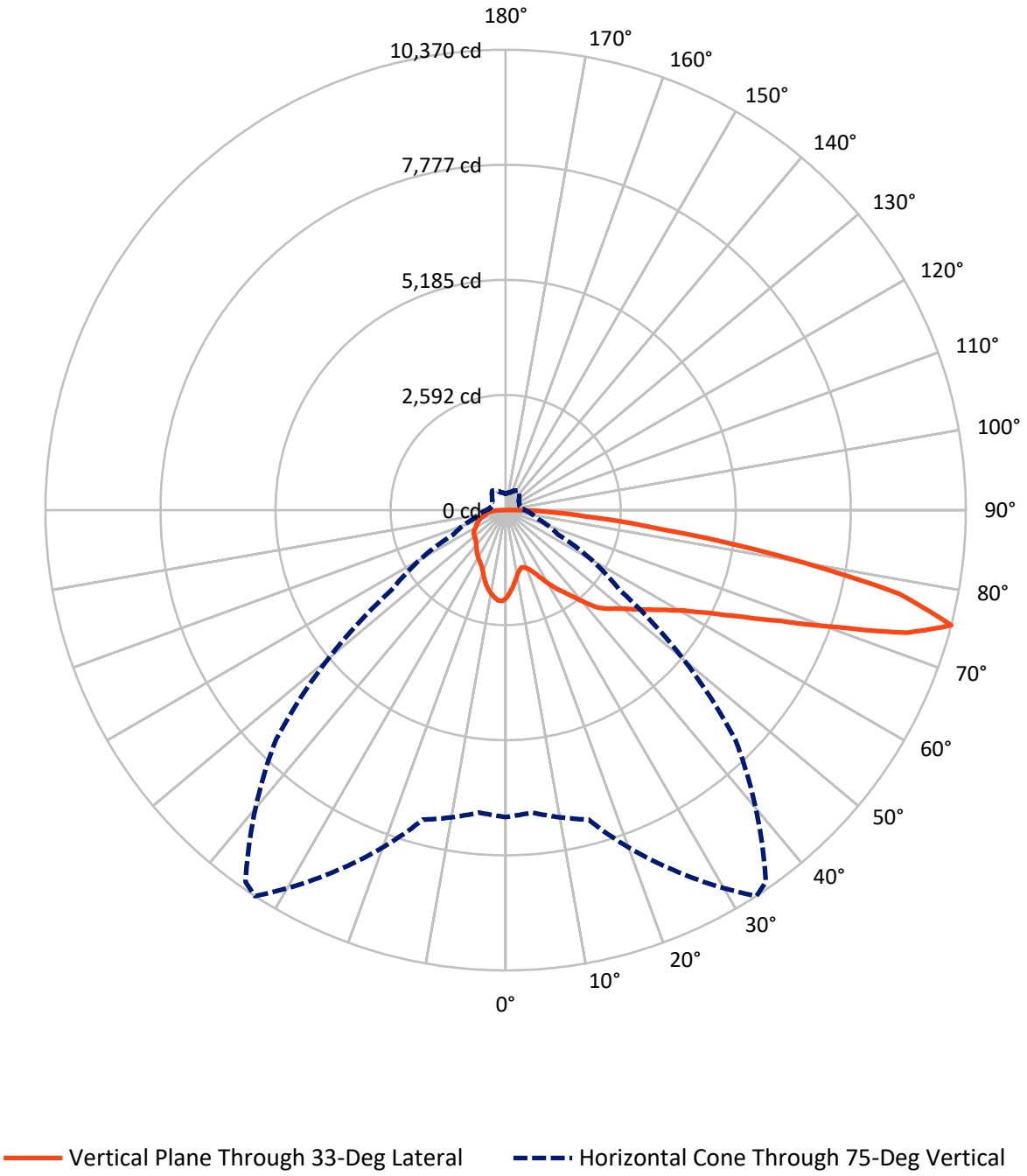
Luminous Intensity Polar Plot



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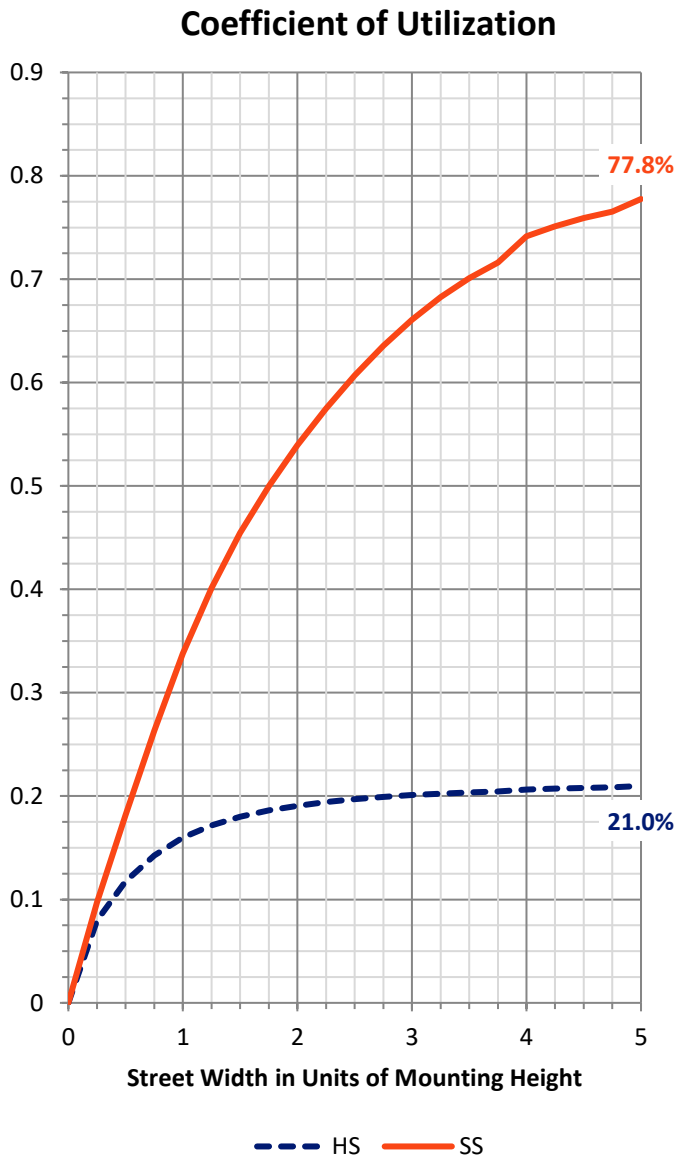
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2724.9	0.0	2724.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	9965.1	0.0	9965.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	12690.0	0.0	12690.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	1.4
10°-20°	485.8	3.8
20°-30°	793.5	6.3
30°-40°	1181.7	9.3
40°-50°	1694.8	13.4
50°-60°	2326.7	18.3
60°-70°	2912.9	23.0
70°-80°	2635.2	20.8
80°-90°	480.0	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12690.0	100.0
0°-180°	12690.0	100.0



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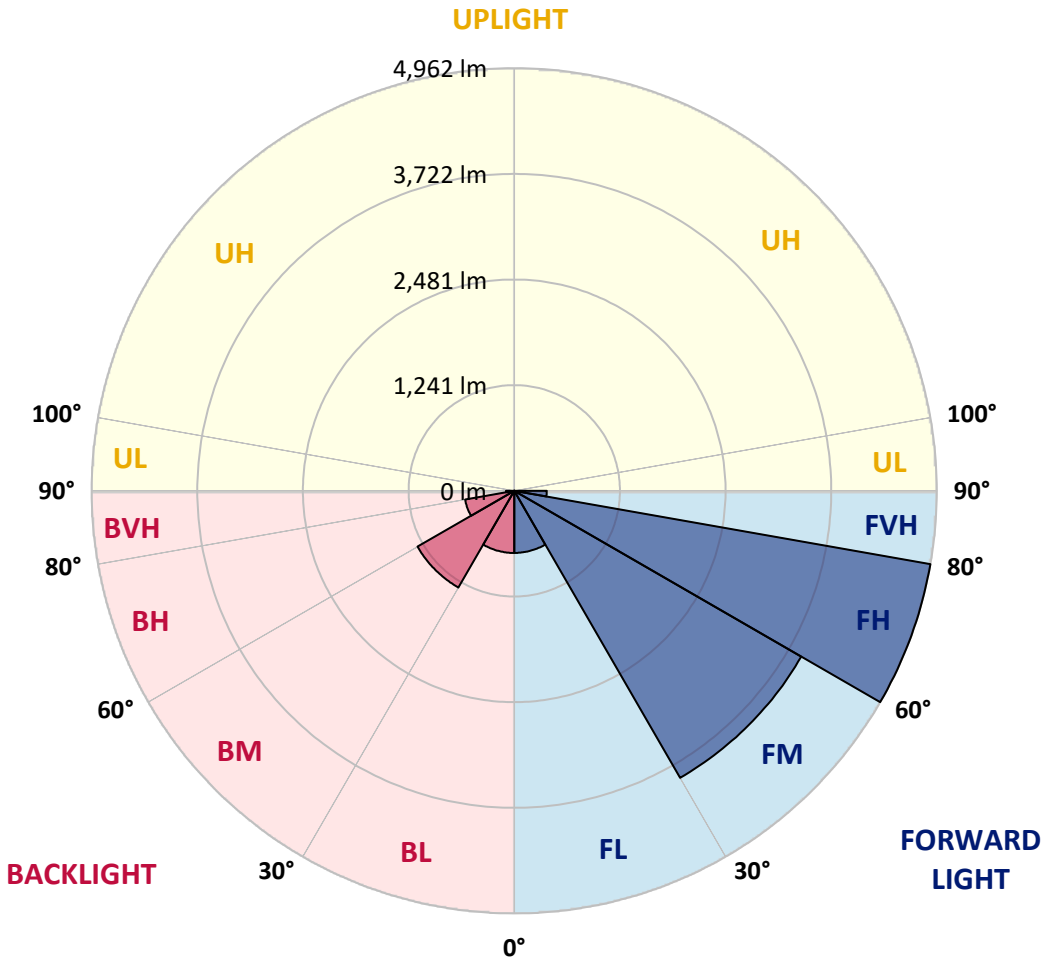
REPORT NUMBER: P318896
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	728.8	5.7			
FM	(30°-60°)	3891.8	30.7			
FH	(60°-80°)	4962.2	39.1			G2/5000
FVH	(80°-90°)	382.3	3.0			G3/500
BL	(0°-30°)	729.8	5.8	B2/1000		
BM	(30°-60°)	1311.4	10.3	B2/2500		
BH	(60°-80°)	585.9	4.6	B2/1000		G2/1000
BVH	(80°-90°)	97.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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REPORT NUMBER: P318896
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5
2.5°	1841.9	1834.9	1848.1	1849.8	1861.2	1865.6	1881.4	1905.9	1926.1	1949.3	1970.4
5°	1674.9	1670.1	1688.5	1701.7	1726.6	1737.2	1774.4	1826.6	1873.1	1925.7	1973.4
7.5°	1516.2	1513.6	1534.2	1564.0	1593.0	1607.4	1671.9	1747.7	1825.3	1910.3	1983.5
10°	1382.5	1381.7	1401.4	1430.8	1473.3	1489.5	1572.8	1672.7	1781.4	1898.5	2000.6
12.5°	1307.6	1310.7	1319.9	1344.4	1383.9	1400.1	1492.6	1610.0	1744.6	1894.5	2025.6
15°	1326.0	1330.8	1315.0	1314.2	1342.2	1354.9	1441.7	1565.3	1718.3	1901.1	2062.0
17.5°	1404.5	1405.3	1363.7	1337.4	1354.5	1361.1	1425.9	1539.9	1703.0	1916.0	2107.6
20°	1514.9	1512.7	1439.1	1395.3	1404.5	1406.2	1448.3	1540.3	1701.7	1941.9	2166.7
22.5°	1661.3	1645.1	1546.0	1486.4	1484.2	1481.6	1505.7	1572.8	1720.9	1984.0	2237.3
25°	1852.5	1837.1	1700.8	1619.3	1601.7	1595.1	1598.6	1642.0	1759.1	2029.1	2316.2
27.5°	2065.1	2038.3	1906.8	1791.5	1755.1	1745.9	1724.9	1739.8	1800.7	2072.5	2410.0
30°	2243.0	2228.6	2113.7	1976.9	1934.0	1920.8	1865.6	1849.4	1860.8	2131.7	2528.4
32.5°	2342.5	2332.9	2263.2	2152.7	2112.8	2094.4	2016.4	1984.0	1957.2	2225.0	2688.8
35°	2463.1	2456.9	2414.9	2334.6	2275.5	2256.2	2195.7	2161.9	2093.1	2353.5	2896.2
37.5°	2616.5	2609.9	2610.8	2545.9	2475.3	2457.4	2417.5	2382.0	2269.3	2522.2	3121.5
40°	2790.1	2777.4	2772.5	2769.5	2724.8	2714.7	2693.6	2645.4	2490.2	2723.9	3343.7
42.5°	3051.3	3006.2	2909.7	2946.1	2990.4	2985.1	3002.2	2933.0	2735.7	2962.3	3560.7
45°	3303.4	3229.3	3062.7	3070.6	3167.5	3196.9	3324.9	3275.8	3001.8	3223.6	3785.1
47.5°	3418.2	3362.1	3220.5	3221.0	3317.0	3377.9	3658.4	3623.4	3281.5	3520.4	4059.1
50°	3546.7	3490.6	3363.4	3411.2	3494.9	3559.8	3980.6	3962.7	3547.5	3845.2	4387.4
52.5°	3686.9	3591.8	3511.2	3596.6	3714.1	3789.5	4303.2	4254.2	3791.7	4172.2	4764.8
55°	3688.7	3662.8	3724.2	3786.9	3962.7	4055.1	4641.2	4511.5	3990.7	4493.5	5072.1
57.5°	3898.7	3856.6	3986.8	4015.7	4245.4	4349.7	4977.4	4735.5	4193.2	4739.8	5237.8
60°	4176.6	4140.6	4247.1	4323.4	4595.2	4734.6	5336.4	4965.6	4352.3	4925.7	5229.9
62.5°	4656.6	4615.8	4614.5	4721.4	5087.5	5249.6	5739.3	5191.3	4415.5	4962.5	5006.8
65°	5359.2	5294.3	5172.1	5222.9	5767.3	5929.1	6189.5	5354.8	4332.2	4765.3	4432.1
67.5°	6043.0	6040.9	5890.5	5994.8	6665.1	6794.8	6702.3	5371.1	4072.2	4078.4	3412.5
70°	6724.7	6733.4	6708.0	7071.0	7878.0	8013.0	7248.5	5153.2	3487.9	2945.3	2044.4
72.5°	7264.7	7262.5	7390.5	8326.4	9452.1	9421.8	7708.8	4493.1	2504.3	1589.9	977.1
75°	6914.9	6838.6	7220.0	8948.0	10369.5	10221.8	7317.3	3134.2	1299.7	723.7	526.0
77.5°	4510.1	4582.5	5142.2	7391.8	9070.3	8890.5	5368.4	1462.3	612.4	474.7	381.4
80°	1633.3	1709.6	2407.8	4187.1	6249.1	6219.7	2643.7	601.0	414.2	358.6	277.9
82.5°	562.0	590.0	949.9	1859.5	3528.3	3659.8	994.6	341.5	301.1	254.2	190.2
85°	220.5	252.5	434.4	894.7	1779.7	1792.8	402.8	204.3	209.5	166.6	104.3
87.5°	83.7	101.7	207.8	415.6	812.7	746.5	144.2	97.3	119.2	99.1	49.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P318896
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5	1983.5
2.5°	1986.6	1995.8	2015.1	2028.2	2042.3	2046.2	2048.0	2051.5	2055.0	2053.7	2054.1
5°	1998.9	2016.8	2048.0	2061.1	2067.2	2060.2	2046.6	2035.7	2027.8	2023.4	2022.1
7.5°	2019.0	2044.4	2077.8	2075.6	2061.5	2030.4	1995.4	1969.1	1947.1	1939.2	1934.9
10°	2045.8	2075.6	2098.8	2073.8	2033.1	1979.1	1926.5	1885.8	1852.9	1840.2	1838.0
12.5°	2080.0	2110.2	2114.6	2061.5	1994.0	1920.4	1848.9	1795.0	1745.9	1730.2	1726.6
15°	2124.2	2152.7	2125.5	2040.1	1945.8	1846.8	1754.3	1681.1	1629.3	1610.0	1603.0
17.5°	2170.7	2197.9	2127.7	2004.6	1882.7	1759.5	1643.4	1568.4	1509.2	1486.9	1484.2
20°	2226.4	2238.6	2118.5	1953.7	1795.9	1646.4	1524.1	1453.6	1422.0	1406.2	1404.5
22.5°	2295.2	2282.0	2097.5	1884.9	1685.9	1515.8	1416.3	1383.4	1375.5	1372.0	1373.3
25°	2367.9	2327.6	2066.4	1795.0	1546.9	1385.2	1337.4	1346.6	1357.1	1355.8	1355.8
27.5°	2448.2	2374.1	2018.6	1675.8	1393.1	1278.2	1283.9	1317.7	1333.5	1333.0	1332.6
30°	2551.2	2426.7	1957.7	1532.5	1249.3	1202.8	1237.5	1278.7	1300.1	1299.3	1299.7
32.5°	2677.9	2484.5	1874.8	1372.5	1145.4	1147.2	1187.0	1227.8	1252.8	1250.6	1251.0
35°	2826.0	2549.4	1762.6	1214.7	1076.6	1102.9	1134.4	1162.9	1186.6	1183.5	1180.5
37.5°	2987.3	2613.0	1613.6	1073.5	1020.5	1061.7	1088.0	1092.8	1103.8	1095.9	1090.2
40°	3140.8	2661.6	1421.6	957.8	963.9	1026.6	1043.7	1024.4	1004.7	1002.1	994.2
42.5°	3274.4	2677.9	1227.4	865.3	904.3	989.8	1000.3	960.0	924.5	907.8	900.8
45°	3415.6	2683.6	1046.3	787.7	846.9	956.9	968.3	914.4	864.4	828.5	816.6
47.5°	3600.1	2724.8	905.6	730.3	803.1	935.0	951.2	878.0	813.1	761.8	750.9
50°	3841.7	2806.3	791.2	686.5	774.6	920.5	938.9	842.5	771.1	709.2	698.3
52.5°	4109.9	2881.3	698.7	650.9	746.9	895.1	923.2	817.1	731.6	660.6	648.8
55°	4297.5	2823.8	624.2	614.1	711.0	858.7	901.2	795.6	675.1	613.2	602.7
57.5°	4333.5	2627.4	567.7	576.0	667.6	813.1	867.5	747.8	644.4	592.6	581.7
60°	4235.3	2353.9	525.6	540.9	621.1	755.7	804.4	714.1	615.0	570.7	561.5
62.5°	3988.5	2073.8	494.5	509.4	577.7	697.4	764.9	678.6	585.2	545.7	536.5
65°	3490.1	1741.1	464.6	481.3	537.4	647.0	729.4	645.7	555.8	525.6	516.8
67.5°	2634.5	1304.1	436.6	451.5	501.5	603.2	690.8	613.2	527.3	508.0	497.5
70°	1551.3	816.6	404.6	420.4	463.8	557.6	649.6	577.7	491.8	483.1	469.5
72.5°	722.0	491.4	368.2	383.6	416.4	496.6	596.6	531.3	449.7	430.5	412.0
75°	*430.9*	*359.4*	*325.3*	*338.8*	*362.1*	*431.8*	*530.0*	*483.9*	*409.9*	*384.4*	*365.1*
77.5°	322.2	274.8	277.9	292.4	311.2	377.9	469.5	446.7	379.2	359.4	346.3
80°	231.9	208.7	226.6	242.4	262.1	343.7	449.7	412.9	342.8	316.5	304.2
82.5°	154.7	149.9	170.5	186.7	206.0	300.7	422.6	361.6	292.8	259.5	232.3
85°	85.5	90.3	114.8	121.9	138.5	211.7	346.3	290.6	220.5	177.5	169.6
87.5°	35.5	41.6	61.8	59.6	73.6	126.2	227.9	175.3	140.3	104.8	81.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

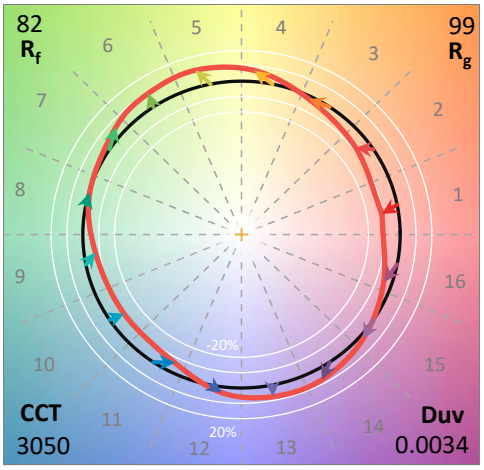
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

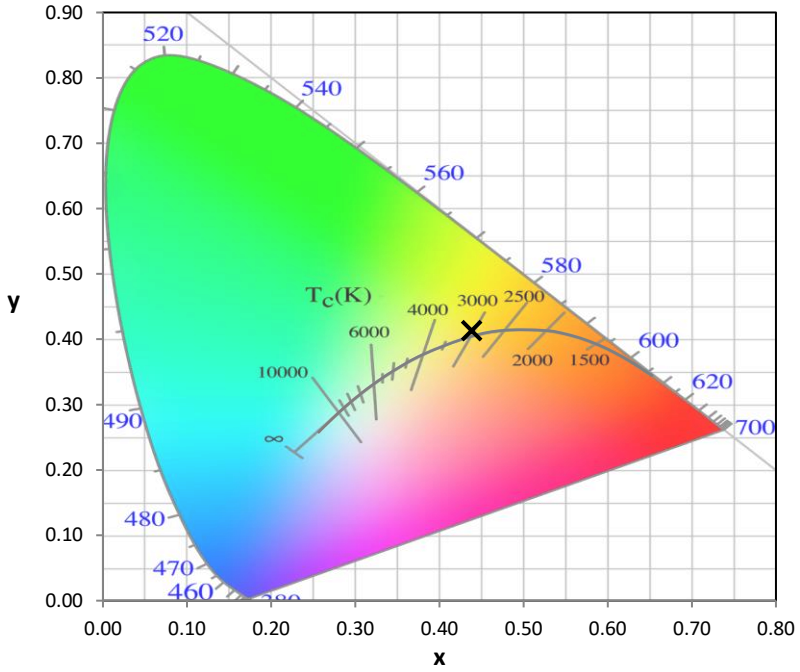
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

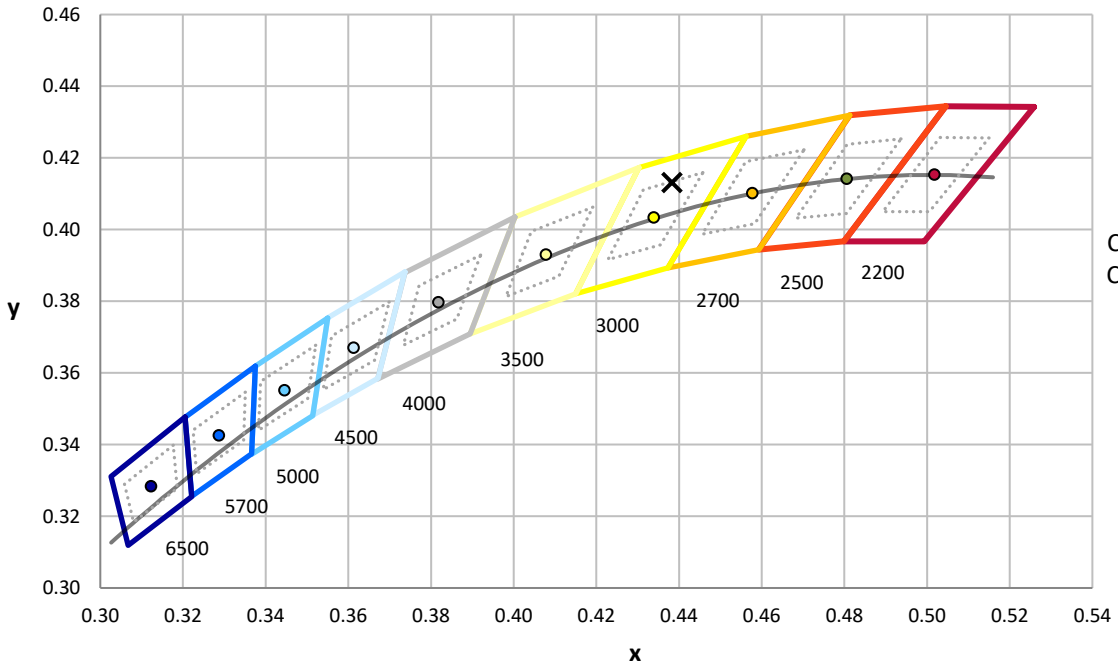
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

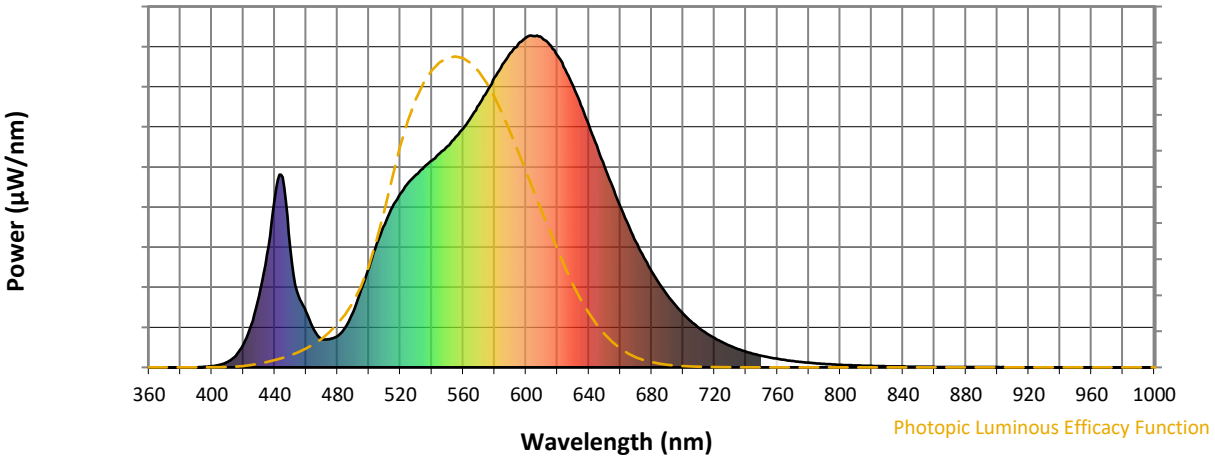


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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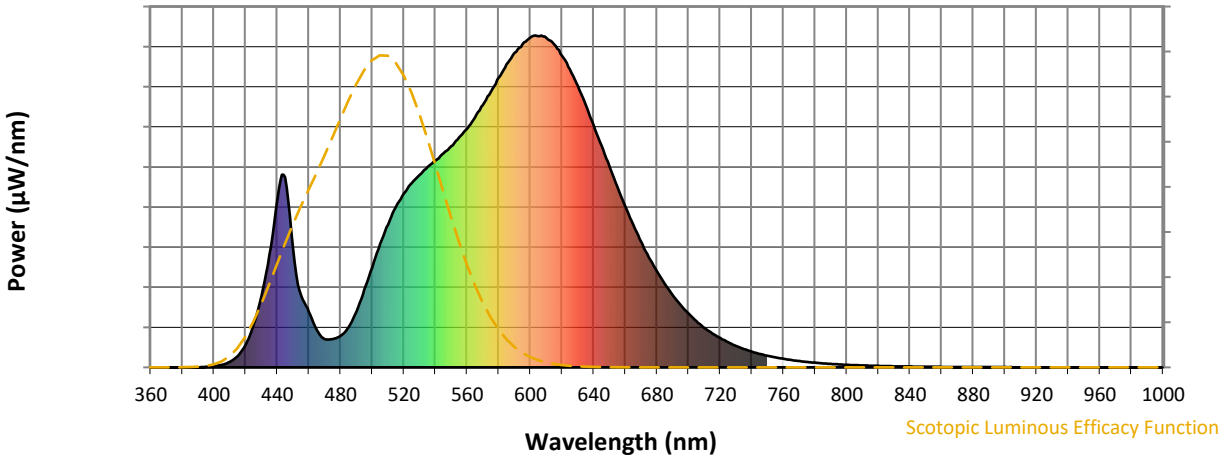
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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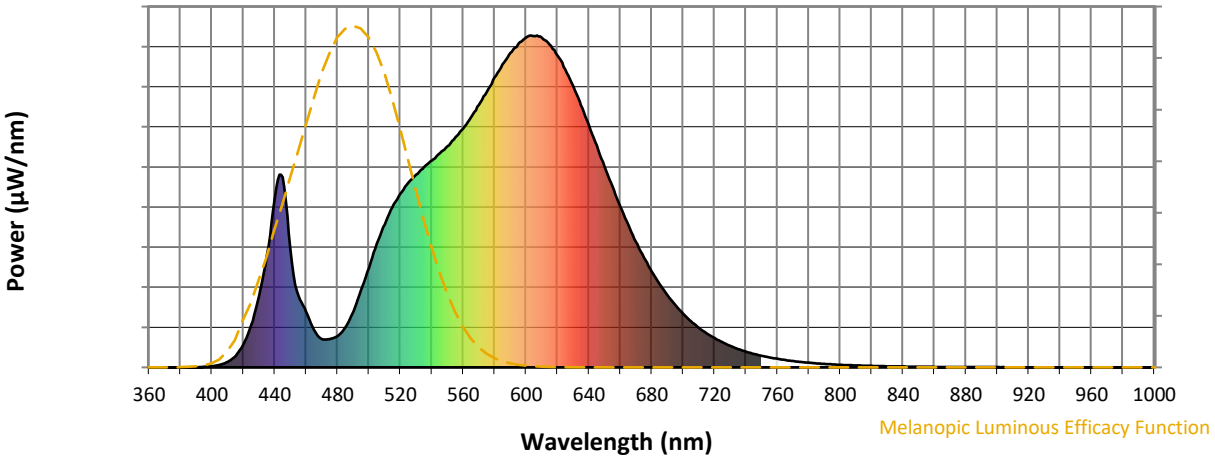
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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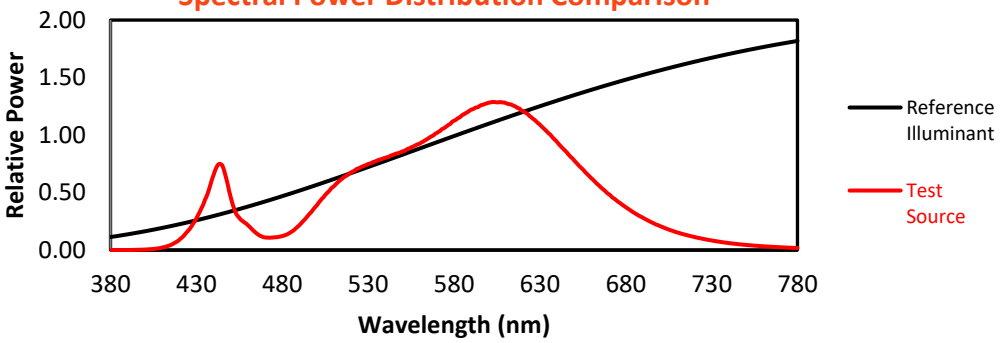
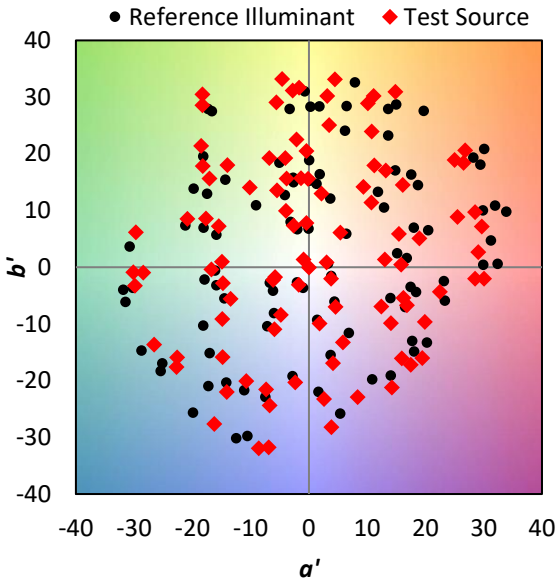
Summary

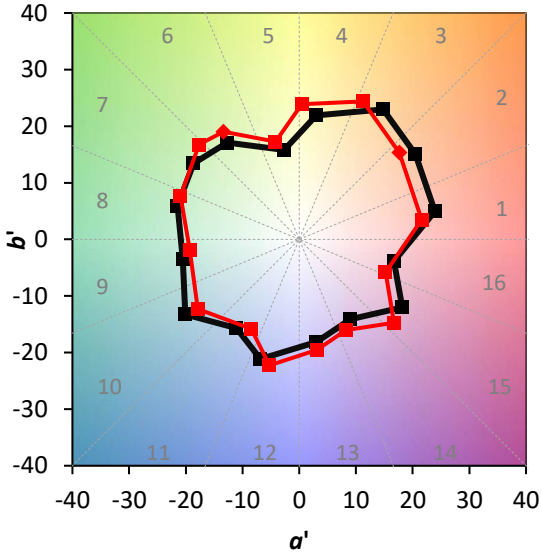
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

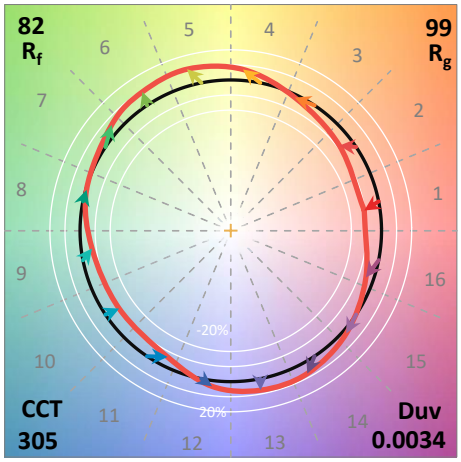
Spectral Power Distribution Comparison

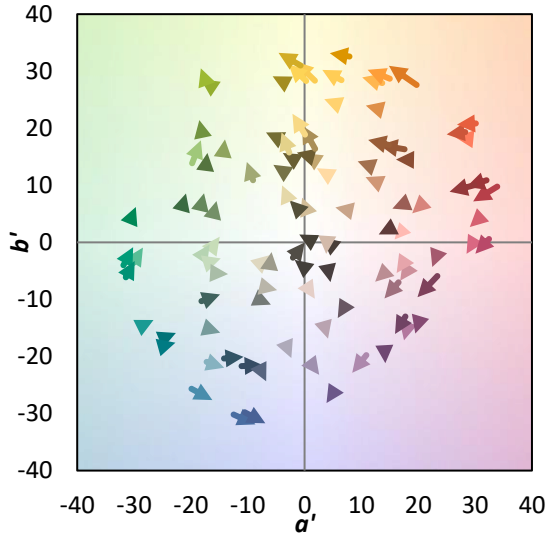


Color Vector Graphics









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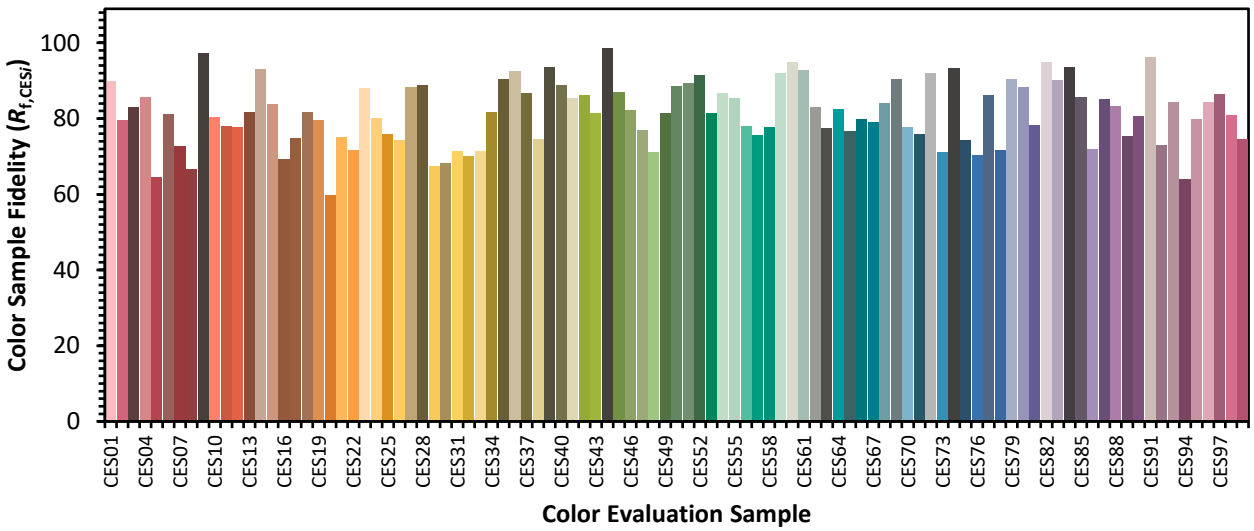
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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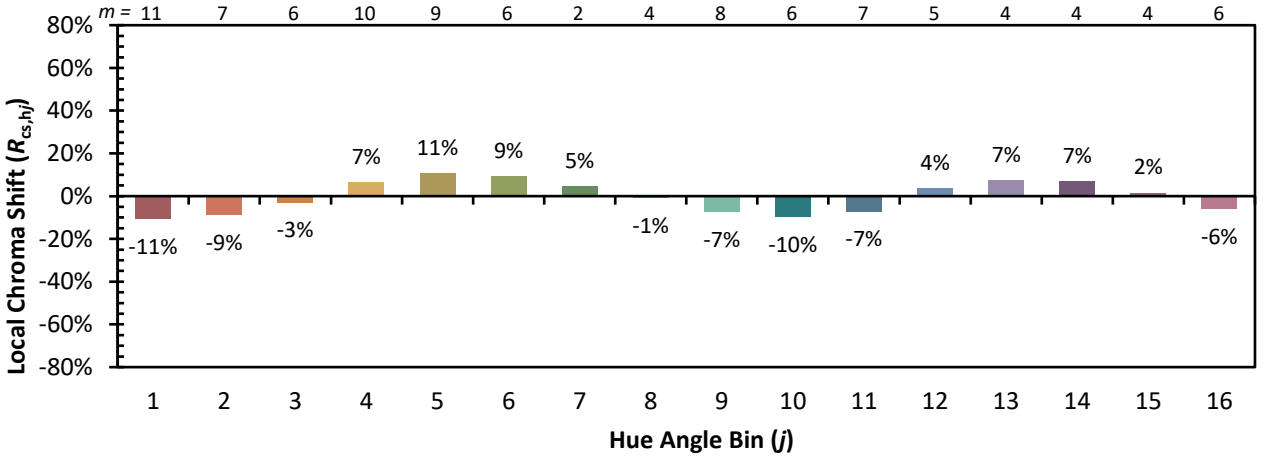
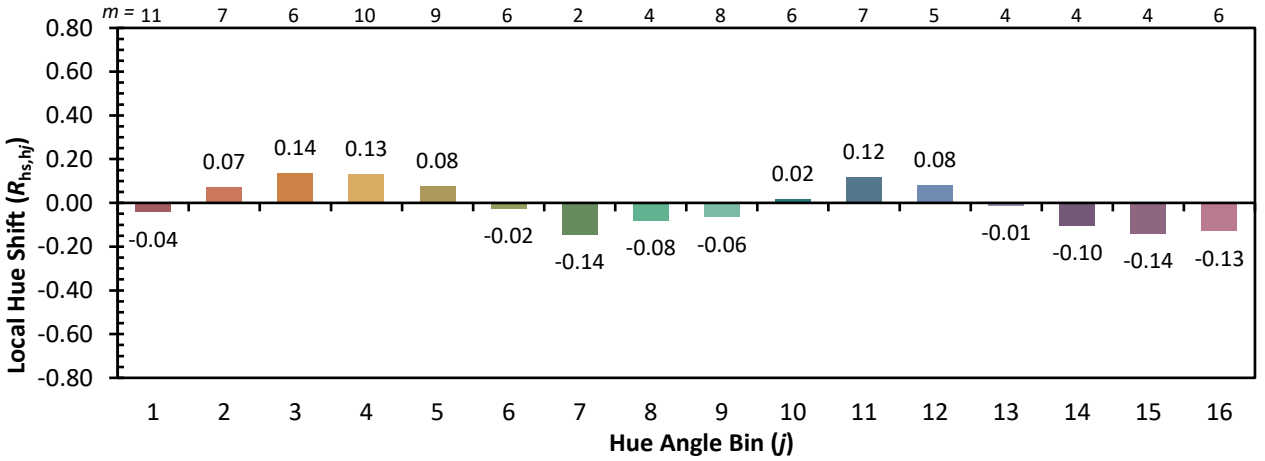
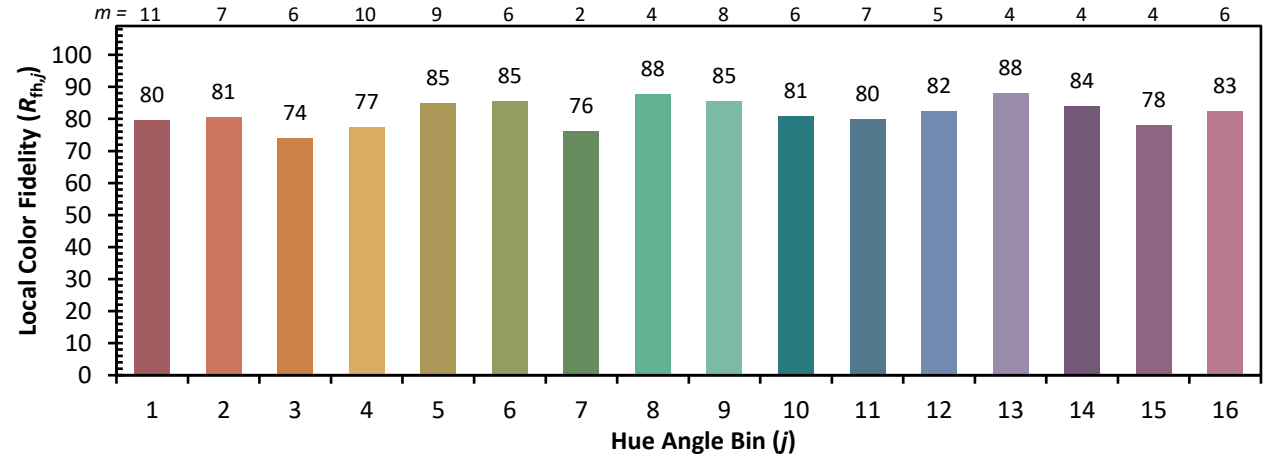
Color Rendition by Hue-Angle Bin







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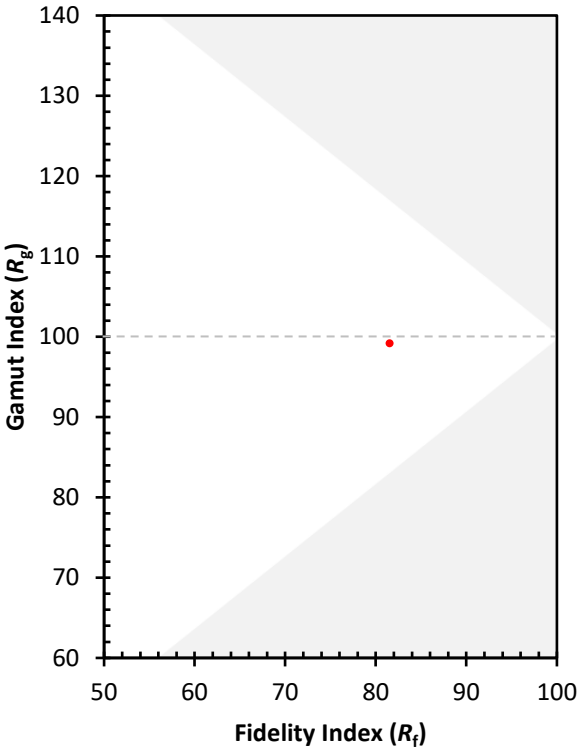
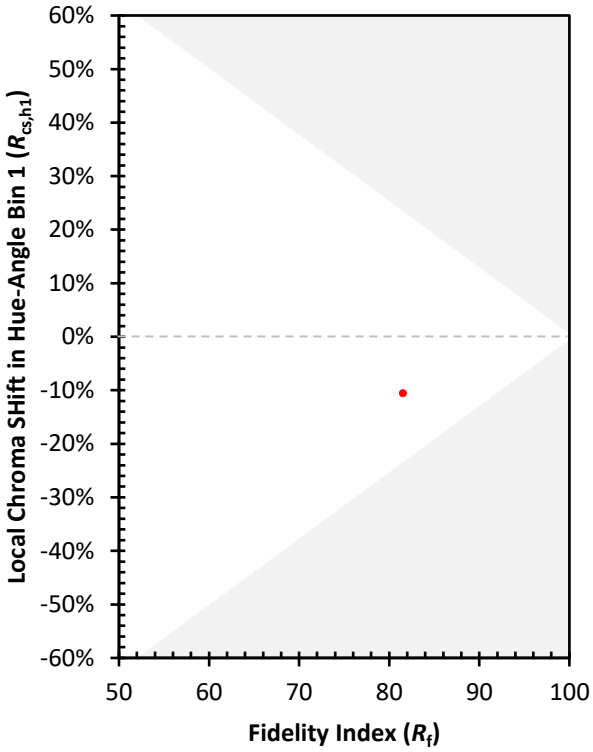
Measure Comparisons





(END OF REPORT)